

Presented by Sophie Guo



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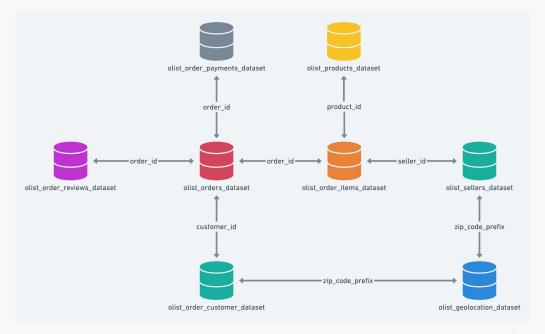
Overview of the Dataset

OLIST.COM

Data Sourced from Brazil's Leading Department Store

- 100,000 OrdersSpanning 2016-2018
- 1,550,922 Rows

Nine Connected Datasets



Source: Kaggle





Project Motivations

O1 - Define the demand

Understand **consumer preferences** by identifying the top five product categories.

O2 - Sales Analysis

Analyze **purchase volume** and **revenue trends** throughout the year.

O3 - Supply Density

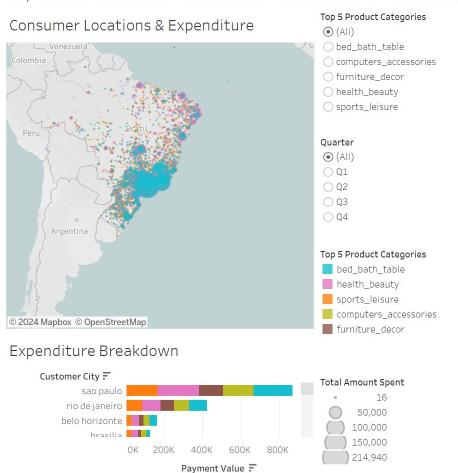
Locate **marketplaces** where sellers offer products across various categories.

O4 - Seller Assessment

Evaluate seller performance based on **ratings** and **delivery times**.

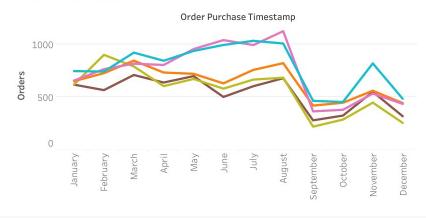


Top 5 Most Purchased Products: Consumer & Seller Info









Interactive Tableau Dashboard #1 (link)

Define the Demand

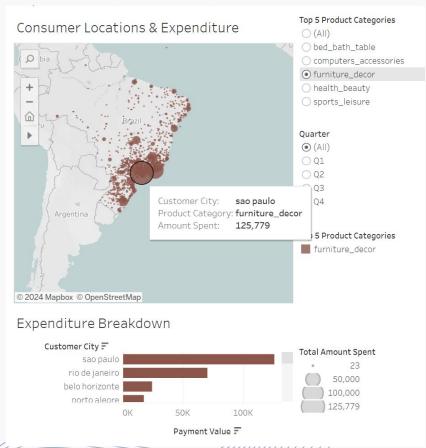
Top 5 **Product Categories** (in order volume):

- 1. Bed, bath, and table
- 2. Computers and tech accessories
- 3. Furniture and decor
- 4. Health and beauty
- 5. Sports and leisure

Top 5 Consumer Cities (in amount spent):

- 1. São Paulo
- 2. Rio de Janeiro
- 3. Belo Horizonte
- 4. Brasilia
- 5. Curitiba









Sales Analysis

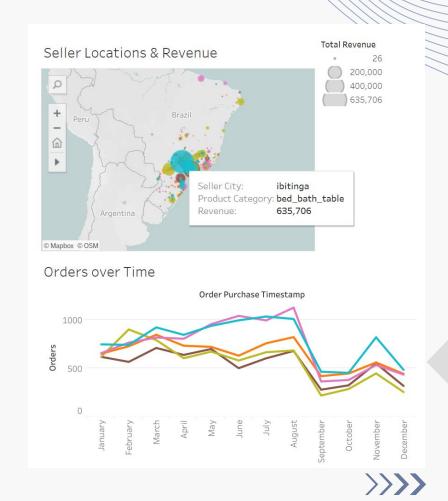


Dip in Sales in September

This pattern is true for each for the popular product categories.

Highest Seller Revenue

R\$635,706 for bed, bath, and table products in Ibitinga.

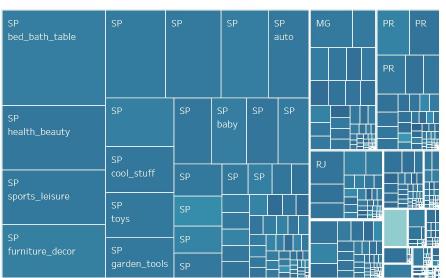


Evaluating Performance by Seller State

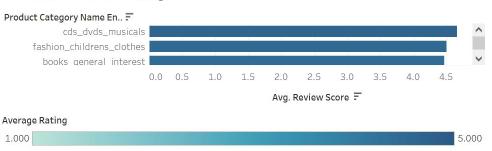
Rating and Delivery Performance, by Quarter

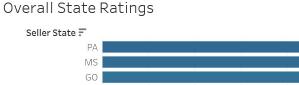


Product Breakdown: Sales & Ratings



Overall Product Ratings







Seller State

● (AII)

Interactive Tableau Dashboard #2 (link)



Supply Density



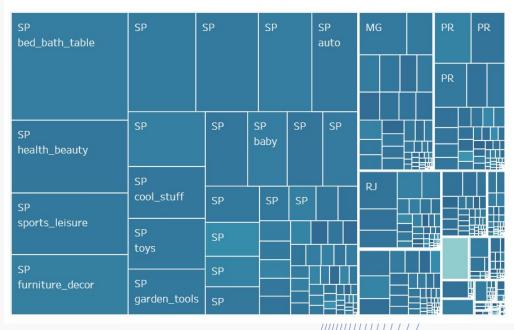
Largest Marketplace

73,328 orders coming out of São Paulo (SP) state.

Smallest Marketplace

1 order coming out of Acre (AC) state.

Product Breakdown: Sales & Ratings







Seller Assessment



Delivery v. Ratings

In general, as delivery days increase, ratings decrease.

Highest Rated State

Pará (PA) has an average rating of 4.5.

Rating and Delivery Performance, by Quarter







Seller Assessment, cont.

Highest Rated Category

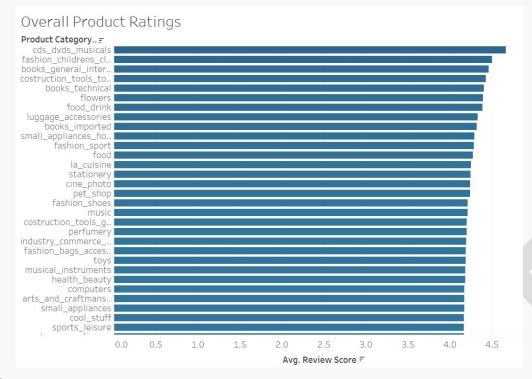
CDs, DVDs, and musicals has an average rating of 4.667.

Lowest Rated Category

Security and services has an average rating of 2.5.

Variations by State

Certain states should aim to improve in their weak spots.







Moving Forward



Understand your perspective

Investigation should be tailored based on your interests. Consider focusing on areas such as geographic location, consumer behavior, seller metrics, timing, and specialized product categories.



Introduce new variables

Identify variables that are not included in the datasets but may be of interest. Consider implementing further data collection.



Expand the dataset

As the dataset covers sales from 2016 to 2018, regular updates can provide a more comprehensive understanding of ongoing trends and patterns.





THANKS!

Do you have any questions?

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